



# **TRANS TECH CONSULTANTS**

*Environmental Compliance Services  
Engineers • Geologists • Planners  
License # 697833 (A-Haz)*

April 20, 2005  
Job No. 1514.01

Mr. Charles Gardner  
1170 Limerick Lane  
Healdsburg, California

**Subject: 1<sup>st</sup> Quarter 2005 Monitoring Report  
1170 Limerick Lane, Healdsburg, California  
SCDHS-DEH Site #00001684**

Dear Mr. Gardner:

This report presents the results of the 1<sup>st</sup> Quarter 2005 groundwater monitoring event performed at the subject site. The site is approximately located as shown on the attached Site Location Map, Plate 1. The work was performed in general accordance with recommendations outlined in our July 27, 2004 Results of Investigation / Monitoring Well Installation Report and requests by Sonoma County Department of Health Services - Environmental Health Division (SCDHS-EHD) representatives.

### **Monitoring Well and Domestic Well Sampling**

On March 8, 2005, groundwater samples were collected from monitoring wells (wells) MW-1, through MW-3. The approximate location of the wells and general site features are shown on the attached Site Plan/Groundwater Elevation Contour Map, Plate 2. Prior to sampling, static water levels were measured in all wells and each well was checked for the presence of free product using an oil/water interface probe. No free product was reported during this monitoring event. To produce representative groundwater samples prior to sampling, the wells were purged of approximately three well casing volumes using a submersible pump. In addition, indicator parameters such as the temperature, pH, and conductivity were measured during purging. The water level in each well was allowed to recover to near static levels prior to sampling. Groundwater samples were collected using a separate disposable bailer for each well and transferred into the appropriate containers supplied by the laboratory. The groundwater samples were labeled, stored on ice and transported under Chain-of-Custody documentation to Alpha Analytical Laboratories, Inc. (Alpha) of Ukiah, California. Alpha is a State-certified laboratory for the analyses requested. Purge water generated during the sampling of the wells was stored onsite in 55-gallon Department of Transportation (DOT) approved drums, pending disposal. The Groundwater Field Sampling Forms are attached in Appendix A. Due to metal detections in MW-1, MW-2, and MW-3 for the samples collected on March 8, 2005, grab groundwater samples were collected from these three wells again on April 1, 2005. Additionally, a grab groundwater sample was collected from the onsite domestic well (DW 1170).

## Water Level Measurements

The monitoring well top-of-casing (TOC) elevations, depths to groundwater, calculated groundwater elevations, and the calculated groundwater flow directions and gradients for the June 25, September 27 and, December 3, 2004, and March 8, 2005 sampling events are tabulated in Table 1. Depths and elevations are expressed in feet and gradients are expressed in feet per foot. Please note that the site was surveyed by Barry Kolstad, a Professional Land Surveyor, on February 15, 2005. The top of casing and groundwater elevations for all reported sampling events reflect the revised wellhead survey elevations. A copy of the survey report is attached in Appendix B.

**Table 1: Groundwater Flow Direction and Gradient Data**

Date	Monitoring Well ID	TOC Elevation (feet)	Depth to Groundwater (feet)	Water Level Elevation (feet)	Groundwater Flow Direction & Gradient (i)
06/25/04*	MW-1	209.93	20.58	189.35	S35°E i = 0.08
	MW-2	209.83	22.51	187.32	
	MW-3	211.43	24.20	187.23	
09/27/04*	MW-1	209.93	22.40	187.53	S40°E i = 0.04
	MW-2	209.83	23.32	186.51	
	MW-3	211.43	25.00	186.43	
12/03/04*	MW-1	209.93	22.72	187.21	S35°E i = 0.04
	MW-2	209.83	23.70	186.13	
	MW-3	211.43	25.37	186.06	
03/08/05*	MW-1	209.93	20.36	189.57	S40°E i = 0.08
	MW-2	209.83	22.45	187.38	
	MW-3	211.43	24.20	187.23	

Groundwater elevation contours based on MW-1 through MW-3 for the March 8, 2005 monitoring event are attached on Plate 2.

## Laboratory Analysis

Groundwater samples collected from the monitoring wells were analyzed for total petroleum hydrocarbons (TPH) as diesel and motor oil by EPA Test Method (EPA)8015, total oil and grease by EPA 1664, volatile organic compounds by EPA 8260B, polychlorinated biphenyls by EPA 8082, and Cam 5 metals by EPA 6000/7000. The laboratory analytical results for the June 25, September 27, and December 3, 2004, and March 8, 2005 sampling events are tabulated on page 3, Table 2.

Chromium was detected in the groundwater samples collected on March 8, 2005 from monitoring wells MW-1, MW-2, and MW-3. Nickel was detected from the samples collected on March 8, 2005



from MW-2 and MW-3, and zinc was detected in the sample from MW-3. The results are suspected to be from soil particles in the groundwater, as Alpha Analytical does not typically filter their samples for metal analysis. The monitoring wells were resampled on April 1, 2005 along with the onsite domestic well as recommended in TTC's January 7, 2005 Quarterly Monitoring Report. The second round of samples, collected on April 1, 2005 were analyzed by Analytical Sciences who routinely filter water samples for metal analysis prior to testing. Monitoring wells MW-1, MW-2, MW-3, and the domestic well DW 1170 were all below the laboratory detection limit for all analytes. Copies of the Alpha laboratory report dated March 23, 2005 and the Analytical Sciences laboratory report, dated April 13, 2005 are attached in Appendix C.

**Table 2: Groundwater Analytical Results**

Date	Sample ID	TPH-g	TPH-d	TPH-mo	TOG*	PCB's	B	T	E	X	MtBE
		----- µg/L-----									
06/25/04	MW-1	<50	<50	<200	NA	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-2	<50	<50	<200	NA	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-3	<50	<50	<200	NA	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
09/27/04	MW-1	NA	<50	<100	NA	NA	NA	NA	NA	NA	NA
	MW-2	NA	<50	<100	NA	NA	NA	NA	NA	NA	NA
	MW-3	NA	<50	<100	NA	NA	NA	NA	NA	NA	NA
12/03/04	MW-1	NA	<50	<100	<5.0	NA	NA	NA	NA	NA	NA
	MW-2	NA	<50	<100	<5.0	NA	NA	NA	NA	NA	NA
	MW-3	NA	<50	<100	<5.0	NA	NA	NA	NA	NA	NA
03/08/05	MW-1	<50	<50	<100	NA	<.20	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-2	<50	<50	<100	NA	<.20	<1.0	<1.0	<1.0	<1.0	<1.0
	MW-3	<50	<50	<100	NA	<.20	<1.0	<1.0	<1.0	<1.0	<1.0
04/01/05	DW 1170	<50	<50	<200	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0



**Table 2 (cont.): Groundwater Analytical Results**

Date	Sample ID	Cadmium	Chromium	Lead	Nickel	Zinc
		-----mg/L-----				
06/25/04	MW-1	<0.01	<0.01	<0.05	<0.05	<0.05
	MW-2	<0.01	<0.01	<0.05	<0.05	<0.05
	MW-3	<0.01	<0.01	<0.05	<0.05	<0.05
03/08/05	MW-1	<0.01	<b>0.072</b>	<0.05	<0.10	<0.10
	MW-2	<0.01	<b>0.089</b>	<0.05	<b>0.11</b>	<0.10
	MW-3	<0.01	<b>0.26</b>	<0.05	<b>0.35</b>	<b>0.14</b>
04/01/05	MW-1	<0.01	<0.01	<0.05	<0.05	<0.05
	MW-2	<0.01	<0.01	<0.05	<.005	<0.05
	MW-3	<0.01	<0.01	<0.05	<0.05	<0.05
	DW 1170	<0.01	<0.01	<0.05	<0.05	<0.05

NA = not analyzed.  
< = less than the reported laboratory detection limits.  
\* TOG results presented in milligrams per liter

## Discussion

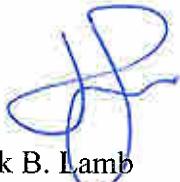
With the exception of the metal results from the water samples collected on March 8, 2005 and analyzed by Alpha Analytical, the results appear to be consistent with the previous sampling events. None of the target analytes were detected at or above the reported laboratory detection limits in the grab groundwater samples collected from all wells on April 1, 2005 including the onsite domestic well.

This sampling event represents the fourth consecutive quarter of onsite groundwater monitoring. TTC respectively requests for this site to be considered for site closure.

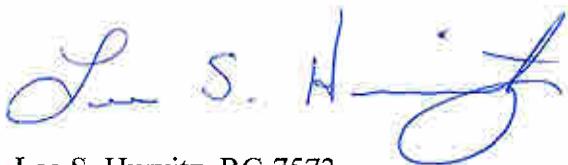


We appreciate the opportunity to be of service to you and trust that this provides the information you require at this time. If you have any questions or require any additional information, please feel free to contact us at (707) 575-8622 or [www.transtechconsultants.com](http://www.transtechconsultants.com).

Sincerely,  
TRANS TECH CONSULTANTS



Patrick B. Lamb  
Project Manager



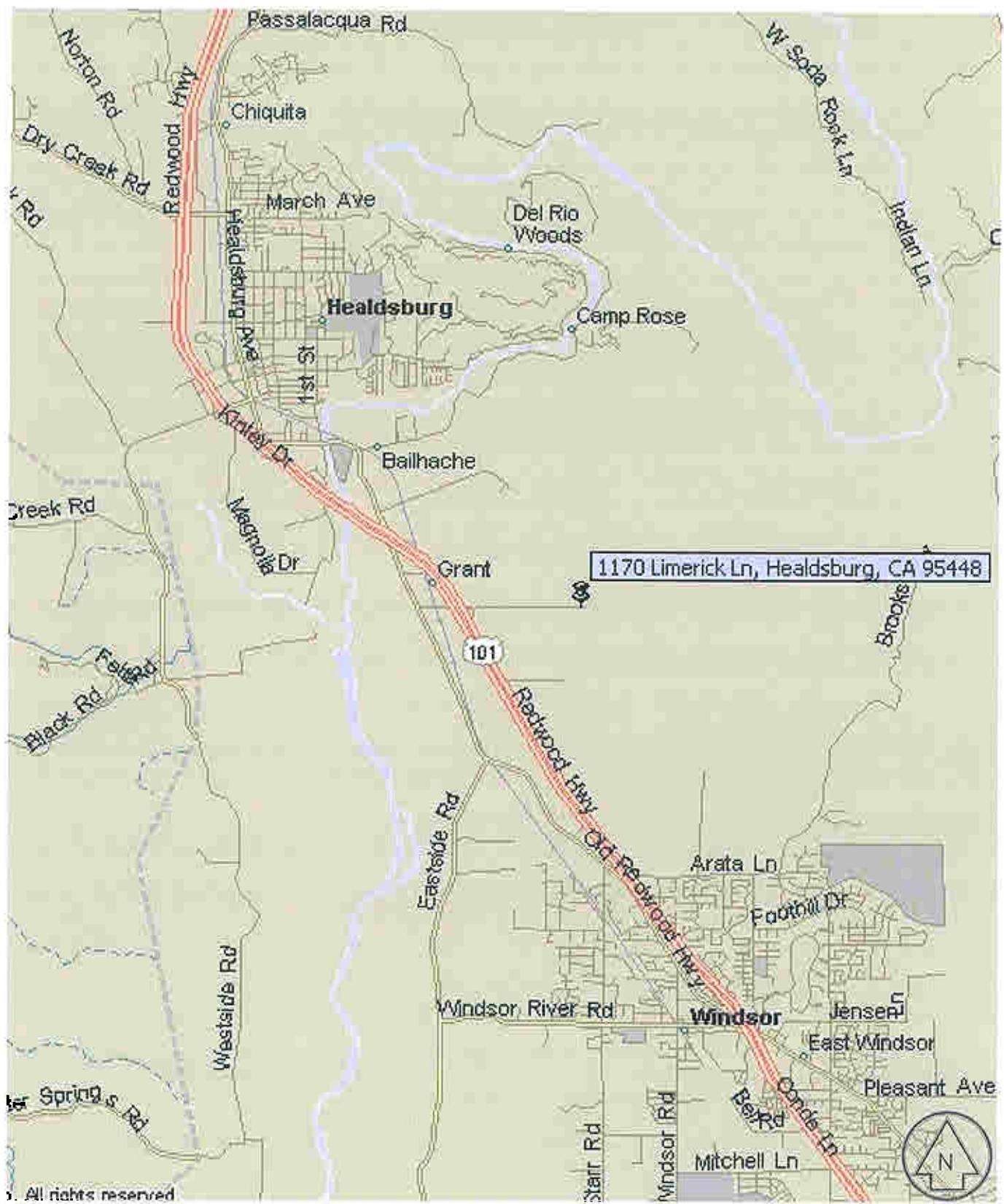
Lee S. Hurvitz, RG 7573  
Senior Geologist



QMR\_1514\_01\_041905

Attachments: Plate 1, Site Location Map  
Plate 2, Site Plan / Groundwater Elevation Contour Map  
Appendix A, Groundwater Field Sampling Forms  
Appendix B, BLK Survey Data  
Appendix C, Alpha Analytical Laboratory Report, dated March 23, 2005  
Analytical Sciences Laboratory Report, dated April 13, 2005  
Distribution List





**TRANS TECH CONSULTANTS**

930 SHILOH RD., BLDG 44, SUITE J  
WINDSOR, CA 95492  
PHONE: 707-575-8622 FAX: 707-837-7334

### SITE LOCATION MAP

GARDNER  
1170 LIMERICK LANE  
HEALDSBURG, CALIFORNIA

PLATE:

1

DRAWN BY: PSC	DWG NAME: 1514.01. SLM	APPR. BY: LSH	JOB NUMBER: 1514.01	W.O. NUMBER: A-224	REVISIONS:	DATE: 2/10/04
------------------	---------------------------	------------------	------------------------	-----------------------	------------	------------------



## **GROUNDWATER FLOW LEGEND**



MW-1 Monitoring Well Location  
[XX.XX] Groundwater Elevation

NOTE: Ground water elevations are in feet above mean sea level (National Geodetic Vertical Datum, 1929).



TRANS TECH CONSULTANTS

930 SHILOH RD., BLDG 44, SUITE J  
WINDSOR, CA 95492  
PHONE: 707-575-8622 FAX: 707-837-7334

SITE PLAN/GROUNDWATER ELEVATION CONTOUR MAP  
FOR 3/08/05

GARDNER  
1170 LIMERICK LANE  
ALDSBURG, CALIFORNIA

PLATE:

2

SHEET: 2/2

## APPENDIX A

(Continued)

# GROUNDWATER FIELD SAMPLING FORM

## WELL INFORMATION

Project Number/Name: 1514.01 Gardner		Well Number: MW-1
Project Location: 1170 Limerick Lane Healdsburg, California	Casing Diameter: 2"	Well Depth from TOC (BP): Well Depth from TOC (AP): 35.50
Date: March 8, 2005	Top of Screen:	Initial Well Depth:
Sampled by (print and sign): Brian Hasik <i>BH</i>	Product Thickness in inches:	
	Water Level from TOC: 20.36	Time: 11:34
Notes:	Water Level pre-purge: 20.36	Time: 11:40
	Well Type: <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Extraction <input type="checkbox"/> Other:	
	Well EL (TOC):	Well Mat: PVC

## WEATHER

Wind: Yes / No	Clouds: Yes / No	Sun: Yes / No	Precipitation in last 5 days: Yes / No
Rain: Yes / No	Fog: Yes / No		

## VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(TD - WL) X (Dia.)<sup>2</sup> X 0.0408 = 2.42 gallons in one well volume

7.27 gallons in 3 well volumes (Approx. 0.6 gal/ft) 8 total gallons purged

## FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
11:50	1	7.07	18.7	164		690.7	L/M
11:52	2	7.00	18.7	177		677.3	L
11:54	4	6.99	18.8	184		695.8	L
11:56	6	6.87	18.8	187		698.3	L
11:58	8	6.86	18.9	191		690.8	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 20.90 Time: 11:30

Appearance of Sample:

Bailer: Disposable Pump: 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 4 Soil: 8 Other: 2

# GROUNDWATER FIELD SAMPLING FORM

## WELL INFORMATION

Project Number/Name: 1514.01 Gardner		Well Number: MW-2
Project Location: 1170 Limerick Lane Healdsburg, California	Casing Diameter: 2"	Well Depth from TOC (BP): Well Depth from TOC (AP): 35.50
Date: March 8, 2005	Top of Screen:	Initial Well Depth:
Sampled by (print and sign): Brian Hasik <i>BH</i>	Product Thickness in inches:	
	Water Level from TOC: 22.42	Time: 11:36
Notes:	Water Level pre-purge: 22.45	Time: 12:17
	Well Type: <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Extraction <input type="checkbox"/> Other:	
	Well EL (TOC):	Well Mat: PVC

## WEATHER

Wind: Yes / No	Clouds: Yes / No	Sun: Yes / No	Precipitation in last 5 days: Yes / No
Rain: Yes / No	Fog: Yes / No		

## VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(TD - WL) X (Dia.)<sup>2</sup> X 0.0408 = 2.68 gallons in one well volume

6.26 gallons in 3 well volumes (Approx. 0.6 gal/ft) 7 total gallons purged

## FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
12:20	1	6.89	19.6	244		527.4	L
12:20	2	6.90	18.8	238		519.4	L
12:21	4	6.96	18.9	222		542.9	L
12:23	6	6.96	18.8	216		537.2	L
12:24	7	6.95	18.8	212		515.4	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 22.50 Time: 11:50

Appearance of Sample:

Bailer: Disposable Pump: 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 4 Soil: 8 Other: 8

# GROUNDWATER FIELD SAMPLING FORM

## WELL INFORMATION

Project Number/Name: 1514.01 Gardner		Well Number: MW-3
Project Location: 1170 Limerick Lane Healdsburg, California	Casing Diameter: 2"	Well Depth from TOC (BP): 35.50 Well Depth from TOC (AP):
Date: March 8, 2005	Top of Screen:	Initial Well Depth:
Sampled by (print and sign): Brian Hasik <i>Brian</i>	Product Thickness in inches:	
	Water Level from TOC: 24.21	Time: 11:38
Notes:	Water Level pre-purge: 24.20	Time: 12:20
	Well Type: <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Extraction <input type="checkbox"/> Other:	
	Well EL (TOC):	Well Mat: PVC

## WEATHER

Wind: Yes / No	Clouds: Yes / No	Sun: Yes / No	Precipitation in last 5 days: Yes / No
Rain: Yes / No	Fog: Yes / No		

## VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(TD) - (WL) X (Dia. Inches)<sup>2</sup> X 0.0408 = 1.91 gallons in one well volume

5.42 gallons in 3 well volumes (Approx. 0.6 gal/ft) 6 total gallons purged

## FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
12:34	1	7.06	19.3	218		719.5	L
12:35	2	7.04	19.1	220		740.6	L
12:37	4	7.03	19.0	216		680.9	L
12:38	6	6.90	18.9	219		701.4	L

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 24.20 Time: 11:38

Appearance of Sample:

Bailer: Disposable Pump: 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 4 Soil: 2 Other: 0

## APPENDIX B

(Continued)

# B L K

BARRY L. KOLSTAD P.L.S. #5677  
PROFESSIONAL LAND SURVEYOR

**GARDNER SITE**, 1170 LIMERICK LANE, HEALDSBURG, CA. TRANS TECH JOB 1514.01, WO #A-519  
GLOBAL ID # TO 609700194 REPORT DATE 2/19/05 VERTICAL SURVEY DATE 2/15/05  
ALL WELLS 2" PVC, NORTH SIDE ELEVATED AT NOTCH, UNLESS NOTED..  
BLK JOB # 5204, SHEET 1 OF 1

\*NOTE\* THIS REPORT IS FOR THE VERTICAL COMPONENTS ONLY: HORIZONTAL COMPONENTS BY OTHERS.

POINT #	NORTHING	EASTING	CASING ELEVATION	DESCRIPTION	NOTES
2222	1976966.34	6324909.13	210.30	(CONTROL)	
			209.93	MW-1	
			209.83	MW-2	
			211.43	MW-3	

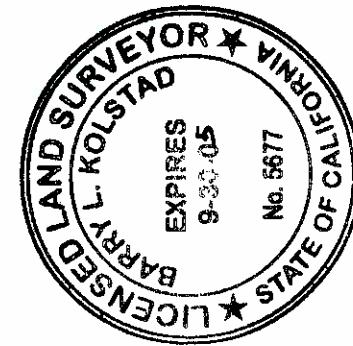
BENCHMARK:

NGS BENCHMARK NO. RV 155, PID #JT1094 (1934)

A MONEL RIVET IN THE SOUTHERLY TOP OF WESTERLY HEADWALL OF CULVERT UNDER NW PACIFIC RAILROAD TRACKS, APPROX 500' SOUTH OF LIMERICK LANE.

ELEVATION= 109.61 (FEET), NAVD 88 (ORDER 1, CLASS 2)

SEE ATTACHED DIAGRAM BY TRANS TECH CONSULTING FOR WELL LOCATIONS



A handwritten signature in black ink that reads "Barry L. Kolstad".

11921 DYERVILLE LOOP ROAD  
707-943-1837 FAX

MYERS FLAT, CA. 95554

707-943-3565  
pls\_5677@hotmail.com

GLOBAL ID	FIELD PT NAME	ELEV SURVEY DATE	ELEV EDITION	ELEV METHOD	ELEV DLTUM	ELEV AC SURVEY ORG	RISER HEIGHT	DEVSUSC	DEVSURVEY	DEVSURVEY ORG	TTCC#	BLK
T0609700194	MW-1	02/15/2005	209.93	CGPS	NAVD88	1 P.L.S.	5677	BARRY L.	KOLSTAD,		0.54	#5204
T0609700194	MW-2	02/15/2005	209.83	CGPS	NAVD88	1 P.L.S.	5677	BARRY L.	KOLSTAD,		0.47	#5203
T0609700194	MW-3	02/15/2005	211.43	CGPS	NAVD88	1 P.L.S.	5677	BARRY L.	KOLSTAD,		0.28	#5203

## **APPENDIX C**



Alpha Analytical Laboratories Inc.

e-mail: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com) • Phone: (707) 468-0401 • Fax: (707) 468-5267

1514.01  
208 Mason St. Ukiah, California 95482

23 March 2005

Trans Tech Consultants  
Attn: Lee  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
RE: Gardner - 1170 Limerick Ln  
Work Order: A503325

Enclosed are the results of analyses for samples received by the laboratory on 03/09/05 11:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nena M. Burgess For Sheri L. Speaks  
Project Manager



Alpha Analytical Laboratories Inc.

e-mail: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com) • Phone: (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

### CHEMICAL EXAMINATION REPORT

Page 1 of 16

Trans Tech Consultants  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
Attn: Lee

Report Date: 03/23/05 14:29

Project No: 1514.01

Project ID: Gardner - 1170 Limerick Ln

Order Number  
A503325

Receipt Date/Time  
03/09/2005 11:15

Client Code  
TRANSTEC

Client PO/Reference

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	A503325-01	Water	03/08/05 13:30	03/09/05 11:15
MW-2	A503325-02	Water	03/08/05 13:50	03/09/05 11:15
MW-3	A503325-03	Water	03/08/05 14:15	03/09/05 11:15

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks  
Project Manager

3/23/2005



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

**CHEMICAL EXAMINATION REPORT**

Page 2 of 16

Trans Tech Consultants  
 930 Shiloh Rd., Bldg.44, Suite J  
 Windsor, CA 95492  
 Attn: Lee

Report Date: 03/23/05 14:29  
 Project No: 1514.01  
 Project ID: Gardner - 1170 Limerick Ln

Order Number A503325	Receipt Date/Time 03/09/2005 11:15	Client Code TRANSTEC	Client PO/Reference
-------------------------	---------------------------------------	-------------------------	---------------------

**Alpha Analytical Laboratories, Inc.**

METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE			
<b>MW-1 (A503325-01)</b>					<b>Sample Type: Water</b>					
<b>Metals by EPA 6000/7000 Series Methods</b>										
<b>Sampled: 03/08/05 13:30</b>										
Cadmium	EPA 6010	AC51116	03/11/05	03/22/05	1	ND mg/l	0.010			
Chromium	"	"	"	"	"	0.072 "	0.050			
Lead	"	"	"	"	"	ND "	0.050			
Nickel	"	"	"	"	"	ND "	0.10			
Zinc	"	"	"	"	"	ND "	0.10			
<b>Conventional Chemistry Parameters by APHA/EPA Methods</b>										
Oil & Grease (HEM)	EPA 1664	AC51608	03/16/05	03/17/05	1	ND mg/l	5.0			
<b>TPH by EPA/LUFT GC/GCMS Methods</b>										
TPH as Diesel	8015DRO	AC51714	03/17/05	03/17/05	1	ND ug/l	50			
TPH as Gasoline	8260GRO	AC52105	03/16/05	03/18/05	"	ND "	50			
TPH as Motor Oil	8015DRO	AC51714	03/17/05	03/17/05	"	ND "	100			
Surrogate: 1,4-Bromofluorobenzene	"	"	"	"	"	80.9 %	20-132			
Surrogate: Toluene-d8	8260GRO	AC52105	03/16/05	03/18/05	"	75.2 %	70-129			
<b>Volatile Organic Compounds by EPA Method 8260B</b>										
Benzene	EPA 8260B	AC52211	03/16/05	03/18/05	1	ND ug/l	0.30			
Toluene	"	"	"	"	"	ND "	0.30			
Ethylbenzene	"	"	"	"	"	ND "	0.50			
Xylenes (total)	"	"	"	"	"	ND "	0.50			
Methyl tert-butyl ether	"	"	"	"	"	ND "	0.50			
Di-isopropyl ether	"	"	"	"	"	ND "	0.50			
Ethyl tert-butyl ether	"	"	"	"	"	ND "	0.50			
Tert-amyl methyl ether	"	"	"	"	"	ND "	0.50			
Tert-butyl alcohol	"	"	"	"	"	ND "	10			
Surrogate: Bromofluorobenzene	"	"	"	"	"	76.0 %	45-147			
Surrogate: Dibromofluoromethane	"	"	"	"	"	103 %	85-129			
Surrogate: Toluene-d8	"	"	"	"	"	75.2 %	74-137			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks  
 Project Manager

3/23/2005



Alpha Analytical Laboratories Inc.

e-mail: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com) • Phone: (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

**CHEMICAL EXAMINATION REPORT**

Page 3 of 16

Trans Tech Consultants  
 930 Shiloh Rd., Bldg.44, Suite J  
 Windsor, CA 95492  
 Attn: Lee

Report Date: 03/23/05 14:29  
 Project No: 1514.01  
 Project ID: Gardner - 1170 Limerick Ln

Order Number A503325	Receipt Date/Time 03/09/2005 11:15	Client Code TRANSTEC	Client PO/Reference
-------------------------	---------------------------------------	-------------------------	---------------------

**Alpha Analytical Laboratories, Inc.**

METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
<b>MW-1 (A503325-01)</b>							
<b>Polychlorinated Biphenyls by EPA Method 8082</b>							
PCB-1016	EPA 8082	AC51526	03/15/05	03/16/05	1	ND ug/l	0.20
PCB-1221	"	"	"	"	"	ND "	0.20
PCB-1232	"	"	"	"	"	ND "	0.20
PCB-1242	"	"	"	"	"	ND "	0.20
PCB-1248	"	"	"	"	"	ND "	0.20
PCB-1254	"	"	"	"	"	ND "	0.20
PCB-1260	"	"	"	"	"	ND "	0.20
PCB-1262	"	"	"	"	"	ND "	0.20
Surrogate: Decachlorobiphenyl	"	"	"	"		97.2 %	50-170
Surrogate: Tetrachloro-meta-xylene	"	"	"	"		21.4 %	40-140
							S-GC

**MW-2 (A503325-02)****Metals by EPA 6000/7000 Series Methods**

Cadmium	EPA 6010	AC51116	03/11/05	03/22/05	1	ND mg/l	0.010
Chromium	"	"	"	"	"	0.089 "	0.050
Lead	"	"	"	"	"	ND "	0.050
Nickel	"	"	"	"	"	0.11 "	0.10
Zinc	"	"	"	"	"	ND "	0.10

**Conventional Chemistry Parameters by APHA/EPA Methods**

Oil & Grease (HEM)	EPA 1664	AC51608	03/16/05	03/17/05	1	ND mg/l	5.0
--------------------	----------	---------	----------	----------	---	---------	-----

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Nena M. Burgess For Sheri L. Speaks  
 Project Manager

3/23/2005



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

**CHEMICAL EXAMINATION REPORT**

Page 4 of 16

Trans Tech Consultants  
 930 Shiloh Rd., Bldg.44, Suite J  
 Windsor, CA 95492  
 Attn: Lee

Report Date: 03/23/05 14:29  
 Project No: 1514.01  
 Project ID: Gardner - 1170 Limerick Ln

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A503325	03/09/2005 11:15	TRANSTEC	

**Alpha Analytical Laboratories, Inc.**

METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
--------	-------	----------	----------	----------	--------	-----	------

MW-2 (A503325-02)		Sample Type: Water				Sampled: 03/08/05 13:50		
<b>TPH by EPA/LUFT GC/GCMS Methods</b>								
TPH as Diesel	8015DRO	AC51714	03/17/05	03/18/05	1	ND ug/l	50	
TPH as Gasoline	8260GRO	AC52105	03/16/05	03/18/05	"	ND "	50	
TPH as Motor Oil	8015DRO	AC51714	03/17/05	03/18/05	"	ND "	100	
Surrogate: 1,4-Bromofluorobenzene	"	"	"	"	"	82.3 %	20-152	
Surrogate: Toluene-d8	8260GRO	AC52105	03/16/05	03/18/05	"	78.4 %	70-129	

**Volatile Organic Compounds by EPA Method 8260B**

Benzene	EPA 8260B	AC52211	03/16/05	03/18/05	1	ND ug/l	0.30
Toluene	"	"	"	"	"	ND "	0.30
Ethylbenzene	"	"	"	"	"	ND "	0.50
Xylenes (total)	"	"	"	"	"	ND "	0.50
Methyl tert-butyl ether	"	"	"	"	"	ND "	0.50
Di-isopropyl ether	"	"	"	"	"	ND "	0.50
Ethyl tert-butyl ether	"	"	"	"	"	ND "	0.50
Tert-amyl methyl ether	"	"	"	"	"	ND "	0.50
Tert-butyl alcohol	"	"	"	"	"	ND "	10
Surrogate: Bromofluorobenzene	"	"	"	"	"	66.4 %	45-147
Surrogate: Dibromofluoromethane	"	"	"	"	"	96.0 %	85-129
Surrogate: Toluene-d8	"	"	"	"	"	78.4 %	74-137

**Polychlorinated Biphenyls by EPA Method 8082**

PCB-1016	EPA 8082	AC51526	03/15/05	03/16/05	1	ND ug/l	0.20
PCB-1221	"	"	"	"	"	ND "	0.20
PCB-1232	"	"	"	"	"	ND "	0.20
PCB-1242	"	"	"	"	"	ND "	0.20
PCB-1248	"	"	"	"	"	ND "	0.20
PCB-1254	"	"	"	"	"	ND "	0.20
PCB-1260	"	"	"	"	"	ND "	0.20
PCB-1262	"	"	"	"	"	ND "	0.20
Surrogate: Decachlorobiphenyl	"	"	"	"	"	85.4 %	50-170
Surrogate: Tetrachloro-meta-xylene	"	"	"	"	"	28.8 %	40-140

S-GC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks  
Project Manager

3/23/2005



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com • Phone (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

Page 5 of 16

**CHEMICAL EXAMINATION REPORT**

Trans Tech Consultants  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
Attn: Lee

Report Date: 03/23/05 14:29  
Project No: 1514.01  
Project ID: Gardner - 1170 Limerick Ln

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A503325	03/09/2005 11:15	TRANSTEC	

**Alpha Analytical Laboratories, Inc.**

METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
<b>MW-2 (A503325-02)</b>			<b>Sample Type: Water</b>		<b>Sampled: 03/08/05 13:50</b>		
<b>MW-3 (A503325-03)</b>			<b>Sample Type: Water</b>		<b>Sampled: 03/08/05 14:15</b>		
<b>Metals by EPA 6000/7000 Series Methods</b>							
Cadmium	EPA 6010	AC51116	03/11/05	03/22/05	1	ND mg/l	0.010
Chromium	"	"	"	"	"	0.26 "	0.050
Lead	"	"	"	"	"	ND "	0.050
Nickel	"	"	"	"	"	0.35 "	0.10
Zinc	"	"	"	"	"	0.14 "	0.10
<b>Conventional Chemistry Parameters by APHA/EPA Methods</b>							
Oil & Grease (HEM)	EPA 1664	AC51608	03/16/05	03/17/05	1	ND mg/l	5.0
<b>TPH by EPA/LUFT GC/GCMS Methods</b>							
TPH as Diesel	801SDRO	AC51714	03/17/05	03/18/05	1	ND ug/l	50
TPH as Gasoline	8260GRO	AC52105	03/16/05	03/18/05	"	ND "	50
TPH as Motor Oil	801SDRO	AC51714	03/17/05	03/18/05	"	ND "	100
Surrogate: 1,4-Bromofluorobenzene	"	"	"	"		82.3 %	20-152
Surrogate: Toluene-d8	8260GRO	AC52105	03/16/05	03/18/05		74.8 %	70-129
<b>Volatile Organic Compounds by EPA Method 8260B</b>							
Benzene	EPA 8260B	AC52211	03/16/05	03/18/05	1	ND ug/l	0.30
Toluene	"	"	"	"	"	ND "	0.30
Ethylbenzene	"	"	"	"	"	ND "	0.50
Xylenes (total)	"	"	"	"	"	ND "	0.50
Methyl tert-butyl ether	"	"	"	"	"	ND "	0.50
Di-isopropyl ether	"	"	"	"	"	ND "	0.50
Ethyl tert-butyl ether	"	"	"	"	"	ND "	0.50
Tert-amyl methyl ether	"	"	"	"	"	ND "	0.50
Tert-butyl alcohol	"	"	"	"	"	ND "	10
Surrogate: Bromofluorobenzene	"	"	"	"		74.0 %	45-147
Surrogate: Dibromofluoromethane	"	"	"	"		108 %	85-129
Surrogate: Toluene-d8	"	"	"	"		74.8 %	74-137

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks  
Project Manager

3/23/2005



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

## CHEMICAL EXAMINATION REPORT

Page 6 of 16

Trans Tech Consultants  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
Attn: Lee

Report Date: 03/23/05 14:29  
Project No: 1514.01  
Project ID: Gardner - 1170 Limerick Ln

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A503325	03/09/2005 11:15	TRANSTEC	

### Alpha Analytical Laboratories, Inc.

METHOD	BATCH	PREPARED	ANALYZED	DILUTION	RESULT	PQL	NOTE
<b>MW-3 (A503325-03)</b>							
<b>Polychlorinated Biphenyls by EPA Method 8082</b>							
PCB-1016	EPA 8082	AC51526	03/15/05	03/16/05	1	ND ug/l	0.20
PCB-1221	"	"	"	"	"	ND "	0.20
PCB-1232	"	"	"	"	"	ND "	0.20
PCB-1242	"	"	"	"	"	ND "	0.20
PCB-1248	"	"	"	"	"	ND "	0.20
PCB-1254	"	"	"	"	"	ND "	0.20
PCB-1260	"	"	"	"	"	ND "	0.20
PCB-1262	"	"	"	"	"	ND "	0.20
Surrogate: Decachlorobiphenyl	"	"	"	"	69.2 %	50-170	
Surrogate: Tetrachloro-meta-xylene	"	"	"	"	27.6 %	40-140	S-GC

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks  
Project Manager

3/23/2005



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

Page 7 of 16

**CHEMICAL EXAMINATION REPORT**

Trans Tech Consultants  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
Attn: Lee

Report Date: 03/23/05 14:29

Project No: 1514.01

Project ID: Gardner - 1170 Limerick Ln

Order Number  
A503325

Receipt Date/Time  
03/09/2005 11:15

Client Code  
TRANSTEC

Client PO/Reference

**Metals by EPA 6000/7000 Series Methods - Quality Control**

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AC51116 - EPA 3005A</b>										
<b>Blank (AC51116-BLK1)</b> Prepared: 03/11/05 Analyzed: 03/17/05										
Cadmium	ND	0.010	mg/l							
Chromium	ND	0.050	"							
Lead	ND	0.050	"							
Nickel	ND	0.10	"							
Zinc	ND	0.10	"							
<b>LCS (AC51116-BS1)</b> Prepared: 03/11/05 Analyzed: 03/17/05										
Cadmium	0.193	0.010	mg/l	0.200		96.5	85-115			
Chromium	0.200	0.050	"	0.200		100	85-115			
Lead	0.201	0.050	"	0.200		100	85-115			
Nickel	0.196	0.10	"	0.200		98.0	85-115			
Zinc	0.195	0.10	"	0.200		97.5	85-115			
<b>LCS Dup (AC51116-BSD1)</b> Prepared: 03/11/05 Analyzed: 03/17/05										
Cadmium	0.204	0.010	mg/l	0.200		102	85-115	5.54	20	
Chromium	0.206	0.050	"	0.200		103	85-115	2.96	20	
Lead	0.200	0.050	"	0.200		100	85-115	0.499	20	
Nickel	0.200	0.10	"	0.200		100	85-115	2.02	20	
Zinc	0.201	0.10	"	0.200		100	85-115	3.03	20	
<b>Duplicate (AC51116-DUP1)</b> Source: A503209-01 Prepared: 03/11/05 Analyzed: 03/17/05										
Cadmium	ND	0.010	mg/l		ND				20	
Chromium	ND	0.050	"		ND				20	
Lead	ND	0.050	"		ND				20	
Nickel	ND	0.10	"		ND				20	
Zinc	ND	0.10	"		ND				20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks  
Project Manager

3/23/2005



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

## CHEMICAL EXAMINATION REPORT

Page 8 of 16

Trans Tech Consultants  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
Attn: Lee

Report Date: 03/23/05 14:29  
Project No: 1514.01  
Project ID: Gardner - 1170 Limerick Ln

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A503325	03/09/2005 11:15	TRANSTEC	

### Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AC51116 - EPA 3005A</b>										
<b>Matrix Spike (AC51116-MS1)</b> Source: A503209-01      Prepared: 03/11/05      Analyzed: 03/17/05										
Cadmium	0.192	0.010	mg/l	0.200	ND	96.0	70-130			
Chromium	0.197	0.050	"	0.200	ND	98.5	70-130			
Lead	0.199	0.050	"	0.200	ND	99.5	70-130			
Nickel	0.192	0.10	"	0.200	ND	96.0	70-130			
Zinc	0.212	0.10	"	0.200	ND	98.0	70-130			
<b>Matrix Spike Dup (AC51116-MSD1)</b> Source: A503209-01      Prepared: 03/11/05      Analyzed: 03/17/05										
Cadmium	0.192	0.010	mg/l	0.200	ND	96.0	70-130	0.00	20	
Chromium	0.198	0.050	"	0.200	ND	99.0	70-130	0.506	20	
Lead	0.202	0.050	"	0.200	ND	101	70-130	1.50	20	
Nickel	0.195	0.10	"	0.200	ND	97.5	70-130	1.55	20	
Zinc	0.212	0.10	"	0.200	ND	98.0	70-130	0.00	20	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks  
Project Manager

3/23/2005



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

## CHEMICAL EXAMINATION REPORT

Page 9 of 16

Trans Tech Consultants  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
Attn: Lee

Report Date: 03/23/05 14:29  
Project No: 1514.01  
Project ID: Gardner - 1170 Limerick Ln

Order Number A503325	Receipt Date/Time 03/09/2005 11:15	Client Code TRANSTEC	Client PO/Reference
-------------------------	---------------------------------------	-------------------------	---------------------

### Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AC51608 - General Preparation</b>										
<b>Blank (AC51608-BLK1)</b>					Prepared: 03/16/05	Analyzed: 03/17/05				
Oil & Grease (HEM)	ND	5.0	mg/l							
<b>LCS (AC51608-BS1)</b>					Prepared: 03/16/05	Analyzed: 03/17/05				
Oil & Grease (HEM)	18.3	5.0	mg/l	20.0		91.5	78-114			
<b>LCS Dup (AC51608-BSD1)</b>					Prepared: 03/16/05	Analyzed: 03/17/05				
Oil & Grease (HEM)	17.8	5.0	mg/l	20.0		89.0	78-114	2.77	18	
<b>Matrix Spike (AC51608-MS1)</b>		<b>Source: A503301-01</b>			Prepared: 03/16/05	Analyzed: 03/17/05				
Oil & Grease (HEM)	11.3	5.0	mg/l	12.0	ND	86.7	78-114			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks  
Project Manager

3/23/2005



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

### CHEMICAL EXAMINATION REPORT

Page 10 of 16

Trans Tech Consultants  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
Attn: Lee

Report Date: 03/23/05 14:29  
Project No: 1514.01  
Project ID: Gardner - 1170 Limerick Ln

Order Number A503325	Receipt Date/Time 03/09/2005 11:15	Client Code TRANSTEC	Client PO/Reference
-------------------------	---------------------------------------	-------------------------	---------------------

#### TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AC51714 - EPA 3510B Water</b>										
<b>Blank (AC51714-BLK1)</b>										
Prepared & Analyzed: 03/17/05										
TPH as Diesel	ND	50	ug/l							
TPH as Motor Oil	ND	100	"							
Surrogate: 1,4-Bromofluorobenzene	374	"		446		83.9	20-152			
<b>LCS (AC51714-BS1)</b>										
Prepared & Analyzed: 03/17/05										
TPH as Diesel	2060	50	ug/l	1960		105	52-136			
TPH as Motor Oil	2130	100	"	1990		107	58-138			
Surrogate: 1,4-Bromofluorobenzene	405	"		446		90.8	20-152			
<b>LCS Dup (AC51714-BSD1)</b>										
Prepared & Analyzed: 03/17/05										
TPH as Diesel	2070	50	ug/l	1960		106	52-136	0.484	25	
TPH as Motor Oil	2180	100	"	1990		110	58-138	2.32	25	
Surrogate: 1,4-Bromofluorobenzene	398	"		446		89.2	20-152			
<b>Batch AC52105 - EPA 5030 Water GCMS</b>										
<b>Blank (AC52105-BLK1)</b>										
Prepared: 03/16/05 Analyzed: 03/17/05										
TPH as Gasoline	ND	50	ug/l							
Surrogate: Toluene-d8	18.8	"		25.0		75.2	70-129			
<b>LCS (AC52105-BS1)</b>										
Prepared: 03/16/05 Analyzed: 03/18/05										
TPH as Gasoline	184	50	ug/l	200		92.0	65-137			
Surrogate: Toluene-d8	21.8	"		25.0		87.2	70-129			
<b>LCS Dup (AC52105-BSD1)</b>										
Prepared: 03/16/05 Analyzed: 03/18/05										
TPH as Gasoline	190	50	ug/l	200		95.0	65-137	3.21	20	
Surrogate: Toluene-d8	23.3	"		25.0		93.2	70-129			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks  
Project Manager

3/23/2005



Alpha Analytical Laboratories Inc.

e-mail: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com) • Phone: (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

## CHEMICAL EXAMINATION REPORT

Page 11 of 16

Trans Tech Consultants  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
Attn: Lee

Report Date: 03/23/05 14:29

Project No: 1514.01

Project ID: Gardner - 1170 Limerick Ln

Order Number A503325	Receipt Date/Time 03/09/2005 11:15	Client Code TRANSTEC	Client PO/Reference
-------------------------	---------------------------------------	-------------------------	---------------------

### TPH by EPA/LUFT GC/GCMS Methods - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AC52105 - EPA 5030 Water GCMS</b>										
Matrix Spike (AC52105-MS1)					Source: A503285-02	Prepared: 03/16/05	Analyzed: 03/18/05			QM-05
TPH as Gasoline	221	50	ug/l	200	180	20.5	65-137			QM-05
Surrogate: Toluene-d8	22.1	"	"	25.0	"	88.4	70-129			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks  
Project Manager

3/23/2005



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

### CHEMICAL EXAMINATION REPORT

Page 12 of 16

Trans Tech Consultants  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
Attn: Lee

Report Date: 03/23/05 14:29

Project No: 1514.01

Project ID: Gardner - 1170 Limerick Ln

Order Number A503325	Receipt Date/Time 03/09/2005 11:15	Client Code TRANSTEC	Client PO/Reference
-------------------------	---------------------------------------	-------------------------	---------------------

#### Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AC52211 - EPA 5030 Water GCMS</b>										
<b>Blank (AC52211-BLK1)</b>										
Benzene	ND	0.30	ug/l							
Toluene	ND	0.30	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Tert-amyl methyl ether	ND	0.50	"							
Tert-butyl alcohol	ND	10	"							
<i>Surrogate: Bromofluorobenzene</i>	19.2		"	25.0		76.8	45-147			
<i>Surrogate: Dibromofluoromethane</i>	27.5		"	25.0		110	85-129			
<i>Surrogate: Toluene-d8</i>	18.8		"	25.0		75.2	74-137			
<b>LCS (AC52211-BS1)</b>										
Benzene	5.22	0.30	ug/l	5.00		104	79-116			
Toluene	4.91	0.30	"	5.00		98.2	83-120			
Ethylbenzene	4.74	0.50	"	5.00		94.8	81-119			
Xylenes (total)	13.0	0.50	"	15.0		86.7	79-121			
Methyl tert-butyl ether	4.55	0.50	"	5.00		91.0	73-127			
Di-isopropyl ether	5.65	0.50	"	5.07		111	69-96			QL-03
Ethyl tert-butyl ether	5.51	0.50	"	5.08		108	76-117			
Tert-amyl methyl ether	5.92	0.50	"	5.16		115	80-122			
Tert-butyl alcohol	127	10	"	98.2		129	53-132			
<i>Surrogate: Bromofluorobenzene</i>	23.0		"	25.0		92.0	45-147			
<i>Surrogate: Dibromofluoromethane</i>	25.7		"	25.0		103	85-129			
<i>Surrogate: Toluene-d8</i>	20.3		"	25.0		81.2	74-137			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks  
Project Manager

3/23/2005



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

Page 13 of 16

### CHEMICAL EXAMINATION REPORT

Trans Tech Consultants  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
Attn: Lee

Report Date: 03/23/05 14:29

Project No: 1514.01

Project ID: Gardner - 1170 Limerick Ln

Order Number A503325	Receipt Date/Time 03/09/2005 11:15	Client Code TRANSTEC	Client PO/Reference
-------------------------	---------------------------------------	-------------------------	---------------------

#### Volatile Organic Compounds by EPA Method 8260B - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AC52211 - EPA 5030 Water GCMS</b>										
<b>LCS Dup (AC52211-BSD1)</b>										
Benzene	5.05	0.30	ug/l	5.00	101	79-116	3.31	25		
Toluene	4.82	0.30	"	5.00	96.4	83-120	1.85	25		
Ethylbenzene	4.68	0.50	"	5.00	93.6	81-119	1.27	25		
Xylenes (total)	12.9	0.50	"	15.0	86.0	79-121	0.772	25		
Methyl tert-butyl ether	4.54	0.50	"	5.00	90.8	73-127	0.220	25		
Di-isopropyl ether	5.53	0.50	"	5.07	109	69-96	2.15	25	QL-03	
Ethyl tert-butyl ether	5.51	0.50	"	5.08	108	76-117	0.00	25		
Tert-amyl methyl ether	5.72	0.50	"	5.16	111	80-122	3.44	25		
Tert-butyl alcohol	106	10	"	98.2	108	53-132	18.0	25		
Surrogate: Bromofluorobenzene	23.2		"	25.0	92.8	45-147				
Surrogate: Dibromofluoromethane	24.0		"	25.0	96.0	85-129				
Surrogate: Toluene-d8	20.9		"	25.0	83.6	74-137				
<b>Matrix Spike (AC52211-MS1)</b>										
		<b>Source: A503285-02</b>			Prepared: 03/06/05	Analyzed: 03/17/05				
Benzene	5.50	0.30	ug/l	5.00	ND	110	63-144			
Toluene	5.49	0.30	"	5.00	ND	110	65-145			
Ethylbenzene	4.97	0.50	"	5.00	ND	99.4	57-155			
Xylenes (total)	13.8	0.50	"	15.0	ND	92.0	59-149			
Methyl tert-butyl ether	4.99	0.50	"	5.00	ND	99.8	62-156			
Di-isopropyl ether	6.05	0.50	"	5.07	ND	119	58-115	QL-03		
Ethyl tert-butyl ether	5.65	0.50	"	5.08	ND	111	57-147			
Tert-amyl methyl ether	6.13	0.50	"	5.16	ND	119	53-153			
Tert-butyl alcohol	120	10	"	98.2	ND	122	41-147			
Surrogate: Bromofluorobenzene	22.7		"	25.0		90.8	45-147			
Surrogate: Dibromofluoromethane	25.4		"	25.0		102	85-129			
Surrogate: Toluene-d8	21.1		"	25.0		84.4	74-137			

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks  
Project Manager

3/23/2005



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

## CHEMICAL EXAMINATION REPORT

Page 14 of 16

Trans Tech Consultants  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
Attn: Lee

Report Date: 03/23/05 14:29

Project No: 1514.01

Project ID: Gardner - 1170 Limerick Ln

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A503325	03/09/2005 11:15	TRANSTEC	

### Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch AC51526 - EPA 3510B Water</b>										
<b>Blank (AC51526-BLK1)</b>										
PCB-1016	ND	0.20	ug/l							
PCB-1221	ND	0.20	"							
PCB-1232	ND	0.20	"							
PCB-1242	ND	0.20	"							
PCB-1248	ND	0.20	"							
PCB-1254	ND	0.20	"							
PCB-1260	ND	0.20	"							
PCB-1262	ND	0.20	"							
Surrogate: Decachlorobiphenyl	0.0396		"	0.0500		79.2	50-170			
Surrogate: Tetrachloro-meta-xylene	0.0108		"	0.0500		21.6	40-140			S-GC
<b>LCS (AC51526-BS1)</b>										
PCB-1016	1.71	0.20	ug/l	2.00		85.5	54-146			
PCB-1260	2.69	0.20	"	2.00		134	54-146			
Surrogate: Decachlorobiphenyl	0.0478		"	0.0500		95.6	50-170			
Surrogate: Tetrachloro-meta-xylene	0.0168		"	0.0500		33.6	40-140			S-GC
<b>Matrix Spike (AC51526-MS1)</b>										
PCB-1016	1.58	0.20	ug/l	2.00	ND	79.0	54-146			
PCB-1260	2.71	0.20	"	2.00	ND	136	54-146			
Surrogate: Decachlorobiphenyl	0.0498		"	0.0500		99.6	50-170			
Surrogate: Tetrachloro-meta-xylene	0.0145		"	0.0500		29.0	40-140			S-GC
<b>Matrix Spike Dup (AC51526-MSD1)</b>										
PCB-1016	2.67	0.20	ug/l	2.00	ND	134	54-146	51.3	40	QM-08
PCB-1260	1.76	0.20	"	2.00	ND	88.0	54-146	42.5	40	QM-08

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks  
Project Manager

3/23/2005



Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com • Phone: (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

Trans Tech Consultants  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
Attn: Lee

### CHEMICAL EXAMINATION REPORT

Page 15 of 16

Report Date: 03/23/05 14:29

Project No: 1514.01

Project ID: Gardner - 1170 Limerick Ln

Order Number A503325	Receipt Date/Time 03/09/2005 11:15	Client Code TRANSTEC	Client PO/Reference
-------------------------	---------------------------------------	-------------------------	---------------------

#### Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

Analyte(s)	Result	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
------------	--------	-----	-------	-------------	---------------	------	-------------	-----	-----------	------

#### Batch AC51526 - EPA 3510B Water

Matrix Spike Dup (AC51526-MSD1)	Source: A503325-02		Prepared: 03/15/05		Analyzed: 03/16/05				
Surrogate: Decachlorobiphenyl	0.0186	"	0.0500	37.2	50-170				S-04
Surrogate: Tetrachloro-meta-xylene	0.0107	"	0.0500	21.4	40-140				S-04

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Nena M. Burgess For Sheri L. Speaks  
Project Manager

3/23/2005



Alpha Analytical Laboratories Inc.

e-mail: [clientservices@alpha-labs.com](mailto:clientservices@alpha-labs.com) • Phone: (707) 468-0401 • Fax: (707) 468-5267

208 Mason St. Ukiah, California 95482

## CHEMICAL EXAMINATION REPORT

Page 16 of 16

Trans Tech Consultants  
930 Shiloh Rd., Bldg.44, Suite J  
Windsor, CA 95492  
Attn: Lee

Report Date: 03/23/05 14:29  
Project No: 1514.01  
Project ID: Gardner - 1170 Limerick Ln

Order Number	Receipt Date/Time	Client Code	Client PO/Reference
A503325	03/09/2005 11:15	TRANSTEC	

### Notes and Definitions

S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogates.

S-04 The surrogate recovery for this sample is outside of established control limits possibly due to a sample matrix effect.

QM-08 The RPD was outside acceptance limits for MS/MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.

QL-03 Although the LCS/LCSD recovery for this analyte is outside of in-house developed control limits, it is within the EPA recommended range of 70-130%.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

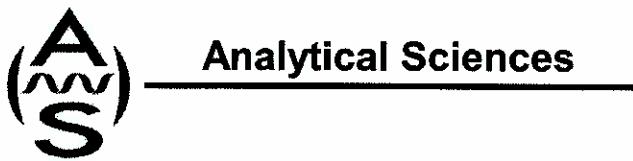
PQL Practical Quantitation Limit



**WORK ORDER  
CHAIN OF CUSTODY RECORD**

Alpha Analytical Laboratories Inc. • 208 Mason Street, Ukiah, CA 95482 • (707) 468-0401 • FAX (707) 468-5267

CLIENT'S NAME		PROJECT MANAGER		SAMPLE CONDITION ON RECEIPT:	
Charles Gardner		Lee Huervite		7:2	
STREET ADDRESS		CITY STATE ZIP		COLD/ICED?	
Gardner - 170 Limerick Lane		FAX NUMBER		BUBBLES OR AIR SPACE?	
CONTRACT/PURCHASE ORDER/QUOTE NUMBER		SITE CONTACT		WERE SAMPLES PRESERVED?	
1514.01		Charles Gardner			
SIGNATURE OF PERSON AUTHORIZING WORK UNDER TERMS STATED ON REVERSE SIDE OF THIS FORM.		SAMPLED BY		EXPLAIN IRREGULARITIES BELOW	
MW-1		B-H		5 voas, 6 amber, 1 plastic each	
MW-2		Brian Haik			
MW-3					
SAMPLE NUMBER/IDENTIFICATION		DATE	TIME	LAB SAMPLE NUMBER	SAMPLE TYPE LIQ AIR SOLID GUM GRASS NO. OF CONTNS.
MW-1		3/8	130	A50033251	X 12
MW-2		3/8	150		X 12
MW-3		3/8	215		X 12
RELINQUISHED BY:		RECEIVED BY: (SIGNATURE)		DATE TIME	
(SIGNATURE)		B-H		3/9/03 0940	
RELINQUISHED BY:		RECEIVED BY: (SIGNATURE)		DATE TIME	
(SIGNATURE)		B-H		3/9/03 1115	
RELINQUISHED BY:		RECEIVED FOR LABORATORY BY: (SIGNATURE)		SAMPLE CONTROL OFFICER	
(SIGNATURE)		B-H			
METHOD OF SHIPMENT		AUTHORIZED BY:		SAMPLE DEPOSITION:	
				1. STORAGE TIME REQUESTED _____ DAYS (SAMPLES WILL BE STORED FOR 30 DAYS WITHOUT ADDITIONAL CHARGES. THEREAFTER STORAGE CHARGES WILL BE BILLED AT THE PUBLISHED RATES.)	
DRIVING TIME		SITE TIME		2. SAMPLE TO BE RETURNED TO CLIENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
				HAZARDOUS MATERIALS ARE THE PROPERTY OF THE CLIENT. THE CLIENT IS RESPONSIBLE FOR PROPER DISPOSAL OF HAZARDOUS WASTES. CLIENTS NOT PICKING UP HAZARDOUS WASTES MAY BE ASSESSED AN APPROPRIATE FEE.	
SPECIAL INSTRUCTIONS					



**Analytical Sciences**

Report Date: April 13, 2005

Lee Hurvitz  
Trans Tech Consultants  
930 Shiloh Road, Bldg. 44, Suite J  
Windsor, CA 95492

## **LABORATORY REPORT**

Project Name: **Gardner** **1514.01**

Lab Project Number: **5040104**

This 10 page report of analytical data has been reviewed and approved for release.

A handwritten signature in black ink that reads "Mark A. Valentini".

\_\_\_\_\_  
Mark A. Valentini, Ph.D.  
Laboratory Director



### TPH Gasoline in Water

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29116	DW 1170	TPH/Gasoline	ND	50

Date Sampled: 04/01/05	Date Analyzed: 04/04/05	QC Batch #: 5434
Date Received: 04/01/05	Method: EPA 5030/8015M	

### TPH Diesel & Motor Oil in Water

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
29116	DW 1170	TPH/Diesel Motor Oil	ND ND	50 200

Date Sampled: 04/01/05	Date Extracted: 04/04/05	QC Batch #: 5449
Date Received: 04/01/05	Date Analyzed: 04/04/05	Method: EPA 3510/8015M



### Volatile Hydrocarbons by GC/MS in Water

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
29116	DW 1170	benzene	ND	1.0
		toluene	ND	1.0
		ethyl benzene	ND	1.0
		m,p-xylene	ND	1.0
		o-xylene	ND	1.0
		1,2-dibromoethane (EDB)	ND	1.0
		1,2-dichloroethane (EDC)	ND	1.0

#### Oxygenated Gasoline Additives

tert-butyl alcohol (TBA)	ND	25
methyl tert-butyl ether (MTBE)	ND	1.0
di-isopropyl ether (DIPE)	ND	1.0
ethyl tert-butyl ether (ETBE)	ND	1.0
tert-amyl methyl ether (TAME)	ND	1.0

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.9	110	70 – 130
toluene-d <sub>8</sub> (20)	19.9	99.5	70 – 130
4-bromofluorobenzene (20)	18.0	90.0	70 – 130

Date Sampled: 04/01/05	Date Analyzed: 04/01/05	QC Batch #: 5445
Date Received: 04/01/05	Method: EPA 8260B	

### Total Oil & Grease in Water

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29116	DW 1170	Total Oil & Grease	ND	1.0

Date Sampled: 04/01/05	Date Extracted: 04/08/05	QC Batch #: S0397
Date Received: 04/01/05	Date Analyzed: 04/08/05	Method: EPA 418.1M



## Metals in Water

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29116	DW 1170	Cadmium (Cd)	ND	0.01
		Chromium (Cr)	ND	0.01
		Lead (Pb)	ND	0.05
		Nickel (Ni)	ND	0.05
		Zinc (Zn)	ND	0.05

Date Sampled: 04/01/05	Date Digested: 04/07/05	QC Batch #: 5454
Date Received: 04/01/05	Date Analyzed: 04/07/05	
Method: EPA 3010/6010		

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29117	MW – 1	Cadmium (Cd)	ND	0.01
		Chromium (Cr)	ND	0.01
		Lead (Pb)	ND	0.05
		Nickel (Ni)	ND	0.05
		Zinc (Zn)	ND	0.05

Date Sampled: 04/01/05	Date Digested: 04/07/05	QC Batch #: 5454
Date Received: 04/01/05	Date Analyzed: 04/07/05	
Method: EPA 3010/6010		



Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29118	MW - 2	Cadmium (Cd)	ND	0.01
		Chromium (Cr)	ND	0.01
		Lead (Pb)	ND	0.05
		Nickel (Ni)	ND	0.05
		Zinc (Zn)	ND	0.05

Date Sampled: 04/01/05	Date Digested: 04/07/05	QC Batch #: 5454
Date Received: 04/01/05	Date Analyzed: 04/07/05	
Method: EPA 3010/6010		

Lab #	Sample ID	Analysis	Result (mg/L)	RDL (mg/L)
29119	MW - 3	Cadmium (Cd)	ND	0.01
		Chromium (Cr)	ND	0.01
		Lead (Pb)	ND	0.05
		Nickel (Ni)	ND	0.05
		Zinc (Zn)	ND	0.05

Date Sampled: 04/01/05	Date Digested: 04/07/05	QC Batch #: 5454
Date Received: 04/01/05	Date Analyzed: 04/07/05	
Method: EPA 3010/6010		



## LABORATORY QUALITY ASSURANCE REPORT

QC Batch #: 5434

Lab Project #: 5040104

Sample ID	Compound	Result (ug/L)
MB	TPH/Gas	ND
MB	MTBE	ND
MB	Benzene	ND
MB	Toluene	ND
MB	Ethyl Benzene	ND
MB	Xylenes	ND

Sample #	Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.
29058	CMS	TPH/Gas		NS	
	CMS	Benzene	10.4	10.0	104
	CMS	Toluene	10.2	10.0	102
	CMS	Ethyl Benzene	10.5	10.0	105
	CMS	Xylenes	30.5	30.0	102

Sample #	Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	RPD
29058	CMSD	TPH/Gas		NS		
	CMSD	Benzene	10.5	10.0	105	1.4
	CMSD	Toluene	10.4	10.0	104	1.6
	CMSD	Ethyl Benzene	10.4	10.0	104	1.5
	CMSD	Xylenes	30.5	30.0	102	0.1

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate  
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery

QC Batch #: 5449Lab Project #: 5040104

Sample ID	Compound	Result (ug/L)
MB	TPH/Diesel	ND

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.
LCS	TPH/Diesel	2,020	2,730	73.9

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	RPD
LCSD	TPH/Diesel	2,100	2,730	76.8	3.9

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate  
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery

---

QC Batch #: 5445Lab Project #: 5040104

Sample ID	Compound Name	Result (ug/L)
MB	1,1-dichloroethene	ND
MB	benzene	ND
MB	trichloroethene	ND
MB	toluene	ND
MB	chlorobenzene	ND

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.3	107	70 – 130
toluene-d <sub>8</sub> (20)	19.5	97.5	70 – 130
4-bromofluorobenzene (20)	18.1	90.5	70 – 130

---



Sample #	Sample ID	Compound Name	Result (ug/L)	Spike Level	% Recv.
29116	CMS	1,1-dichloroethene	22.9	25.0	91.6
	CMS	benzene	25.7	25.0	103
	CMS	trichloroethene	23.3	25.0	93.2
	CMS	toluene	25.2	25.0	101
	CMS	chlorobenzene	25.6	25.0	102

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.2	106	70 – 130
toluene-d <sub>8</sub> (20)	20.1	101	70 – 130
4-bromofluorobenzene (20)	18.2	91.0	70 – 130

Sample #	Sample ID	Compound Name	Result (ug/L)	Spike Level	% Recv.	RPD
29116	CMSD	1,1-dichloroethene	22.5	25.0	90.0	1.8
	CMSD	benzene	25.2	25.0	101	2.0
	CMSD	trichloroethene	23.5	25.0	94.0	0.85
	CMSD	toluene	24.9	25.0	99.6	1.2
	CMSD	chlorobenzene	26.5	25.0	106	3.5

Surrogates	Result (ug/L)	% Recovery	Acceptance Range (%)
dibromofluoromethane (20)	21.3	107	70 – 130
toluene-d <sub>8</sub> (20)	20.4	102	70 – 130
4-bromofluorobenzene (20)	18.5	92.5	70 – 130

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate  
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery



QC Batch #: S0397

Lab Project #: 5040104

Sample ID	Compound	Result (mg/L)
MB	10/30W Motor Oil	ND

Sample ID	Compound	Result (mg/L)	Spike Level	% Recv.
LCS	10/30W Motor Oil	23.5	25.0	94.0

Sample ID	Compound	Result (mg/L)	Spike Level	% Recv.	RPD
LCSD	10/30W Motor Oil	17.9	19.0	94.2	0.21

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate  
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery

---

QC Batch #: 5454Lab Project #: 5040104

Sample ID	Compound	Result (mg/L)
MB	Cadmium (Cd)	ND
MB	Chromium (Cr)	ND
MB	Lead (Pb)	ND
MB	Nickel (Ni)	ND
MB	Zinc (Zn)	ND

Sample ID	Compound	Result (mg/L)	Spike Level	% Recv.
LCS	Cadmium (Cd)	0.522	0.500	104
LCS	Chromium (Cr)	0.490	0.500	98.0
LCS	Lead (Pb)	0.519	0.500	104
LCS	Nickel (Ni)	0.492	0.500	98.4
LCS	Zinc (Zn)	0.511	0.500	102

Sample ID	Compound	Result (mg/L)	Spike Level	% Recv.	RPD
LCSD	Cadmium (Cd)	0.526	0.500	105	0.76
LCSD	Chromium (Cr)	0.514	0.500	103	4.8
LCSD	Lead (Pb)	0.526	0.500	105	1.3
LCSD	Nickel (Ni)	0.494	0.500	98.8	0.41
LCSD	Zinc (Zn)	0.518	0.500	104	1.4

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate  
NS = Not Spiked; OR = Over Calibration Range; NR = No Recovery



# Analytical Sciences

**Analytical Sciences**  
 P.O. Box 750336, Petaluma, CA 94975-0336  
 110 Liberty Street, Petaluma, CA 94952  
 (707) 769-3128  
 Fax (707) 769-3093

## CHAIN OF CUSTODY

CLIENT INFORMATION	
COMPANY NAME: TRANS TECH CONSULTANTS	CONTACT: Kim Symbal
ADDRESS: 930 SHROTH RD, BLDG 44, STE J	COMPANY NAME: Trans Tech
WINDSOR, CA 95492	ADDRESS: 930 Shroth Rd 445
CONTACT: Lee Hurtz	PHONE: 575-8622
PHONE: (707) 575-8622	FAX #: (707) 837-7334

BILLING INFORMATION	
CONTACT:	Kim Symbal
COMPANY NAME:	Trans Tech
ADDRESS:	930 Shroth Rd 445
WINDSOR, CA 95492	
PHONE:	575-8622
FAX #:	837-7334

TURNAROUND TIME (Check one)	
MOBILE LAB	SAME DAY
	24 HOURS
	48 HOURS
	72 HOURS
	5 DAYS
	NORMAL <input checked="" type="checkbox"/>
	COC <input type="checkbox"/>

ITEM	CLIENT SAMPLE I.D.	DATE SAMPLED	TIME	MATRIX	# CONT.	PRESENT YES/NO	ANALYSIS			TOTAL LEAD	SLURPMETALS <input checked="" type="checkbox"/>	PFILETE METALS <input checked="" type="checkbox"/>	LAB SAMPLE #
							COMMENTS	TESTS	METHOD				
1	DWU17	4/10/95	10	8	1	X					X		29/14
2	Mw-1				1	Y/N					X		24/17
3	Mw-2				1	Y/N					X		29/18
4	Mw-3				1	Y/N					X		29/19
5													
6													
7													
8													
9													
10													
11													

SIGNATURES	
RELIQUIDATED BY: 	RECEIVED BY LABORATORY: John Phillips
SAMPLED BY: 	DATE: 4/1/95 TIME: 12:10
RELIQUIDATED BY: 	DATE: 4/1/95 TIME: 12:10
SIGNATURE: 	SIGNATURE: 

**DISTRIBUTION LIST**  
**1<sup>st</sup> Quarter 2005 Monitoring Report**  
**1170 Limerick Lane**  
**Healdsburg, California**  
**April 20, 2005**  
**Job No. 1514.01**

Mr. Cliff Ives  
Sonoma County Department of Health Services  
Environmental Health Division  
3273 Airway Drive, Suite D  
Santa Rosa, California 95403-2097

North Coast Regional Water Quality Control Board  
5550 Skylane Blvd., Suite A  
Santa Rosa, CA 95403

